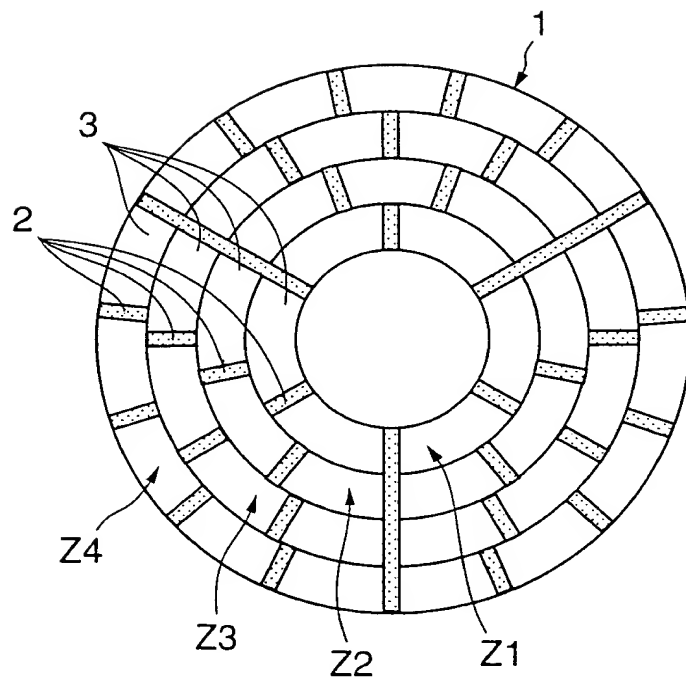


FIG. 1 PRIOR ART



008250" 50495560

FIG. 2 PRIOR ART

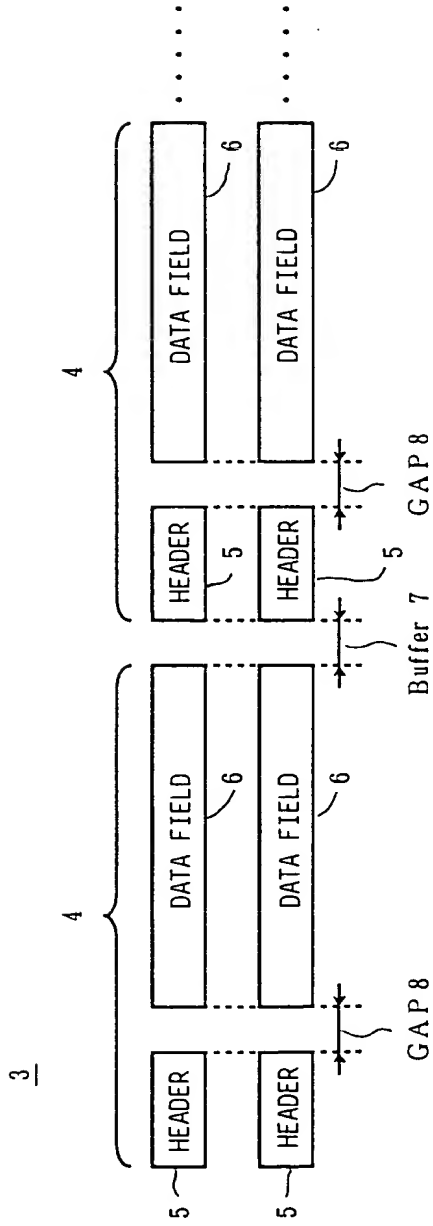


FIG.3 PRIOR ART

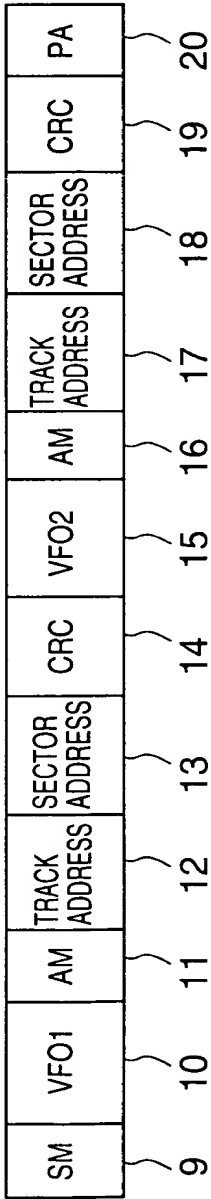


FIG. 4 PRIOR ART

6

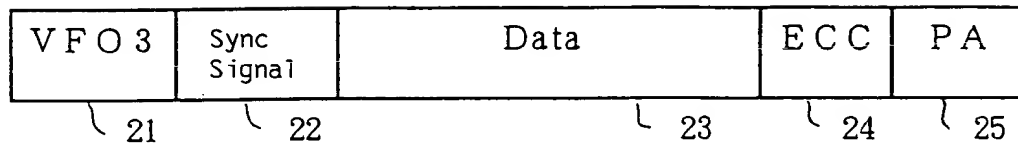
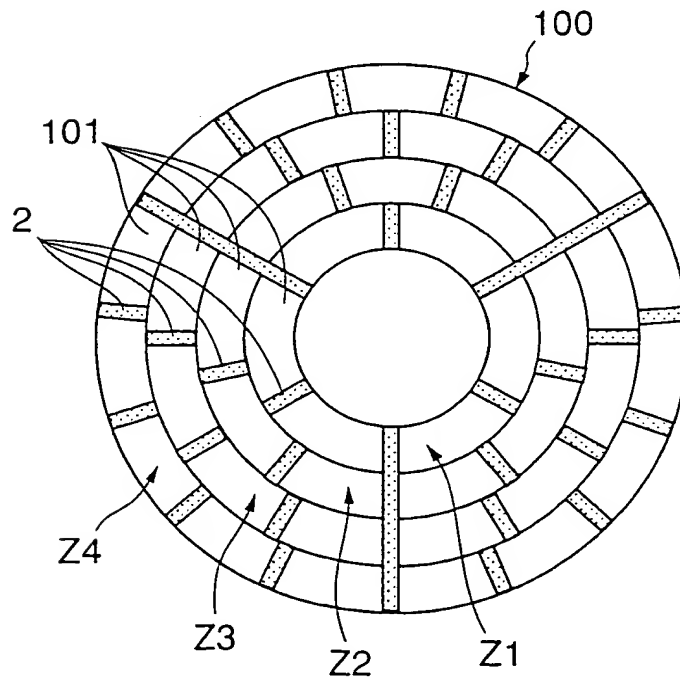


FIG. 5



008250" 50795560

FIG. 6

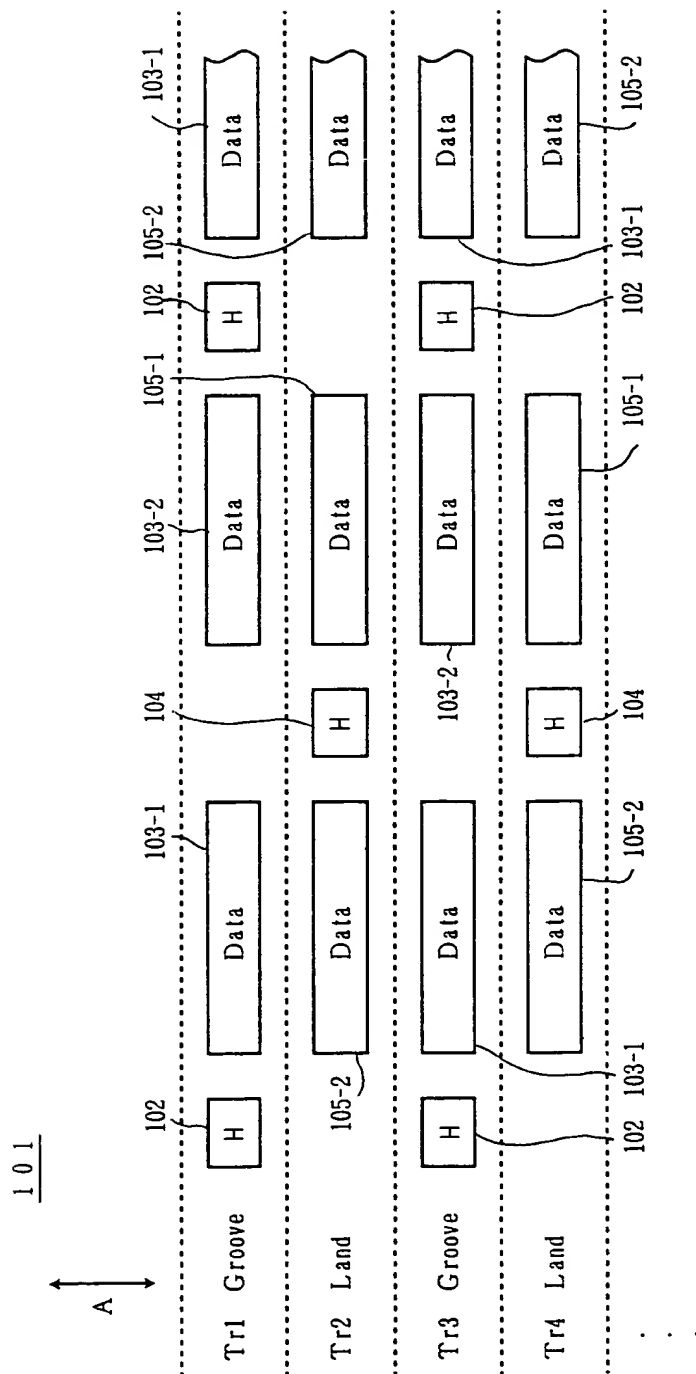


FIG. 7

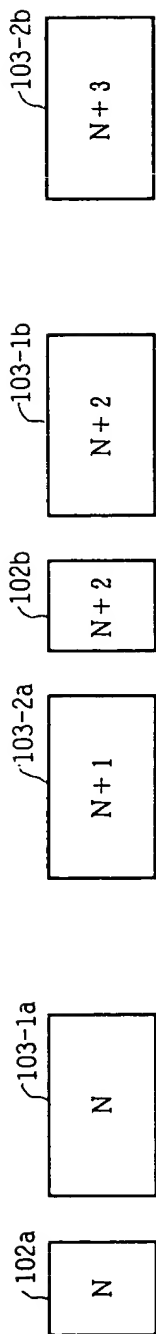


FIG. 8

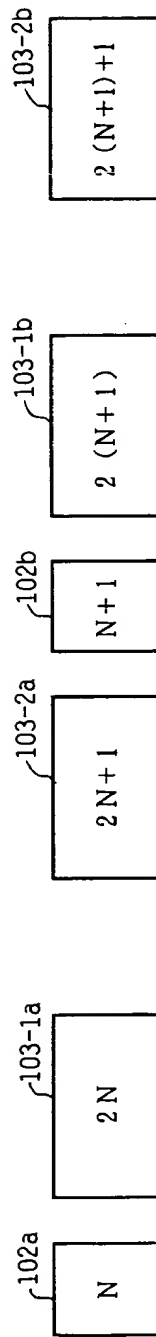
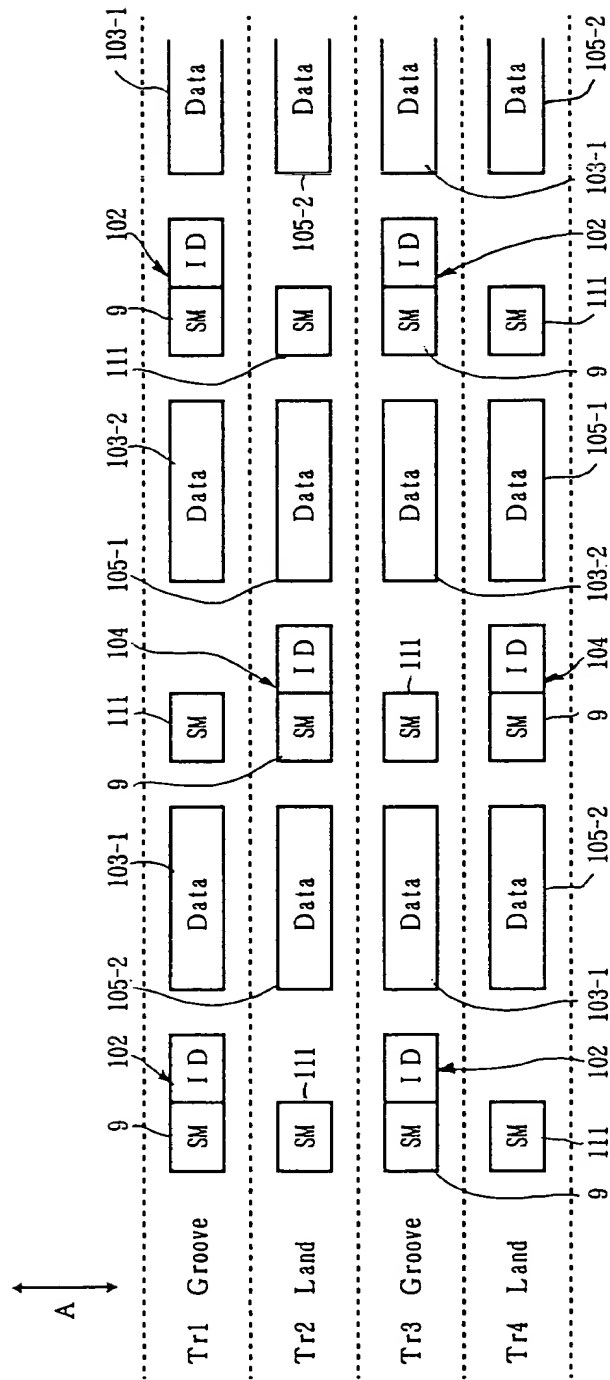


FIG. 9

110



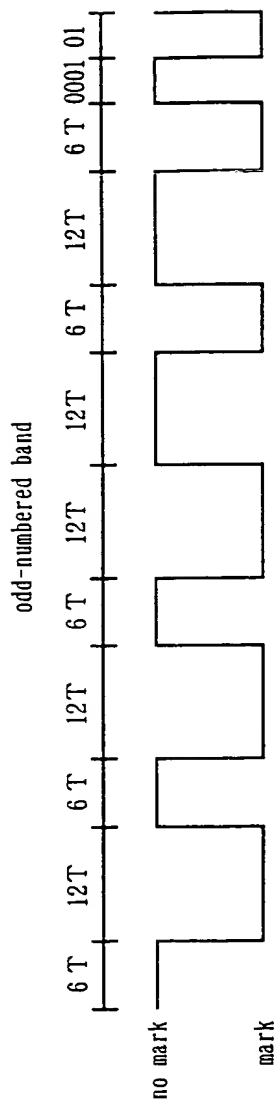


FIG. 10A

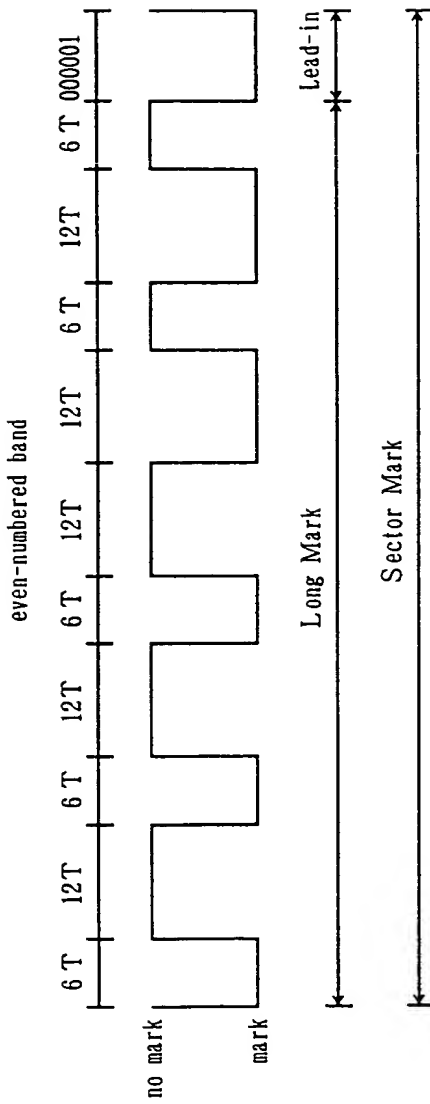


FIG. 10B

FIG. 11

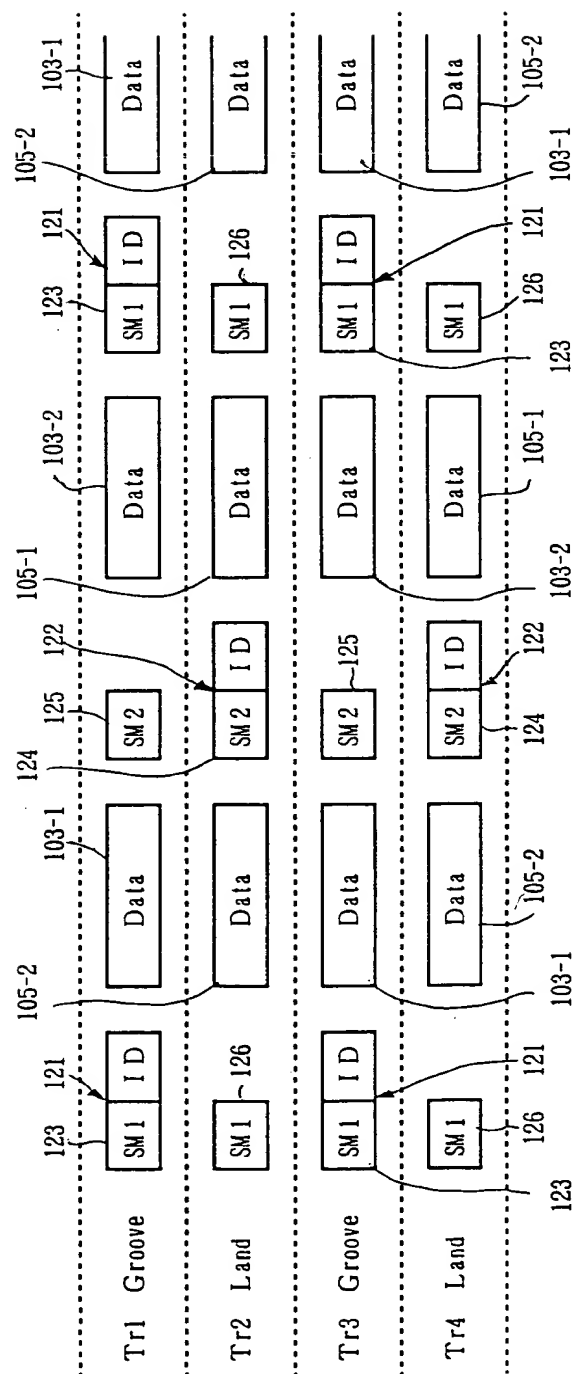


FIG. 12

130

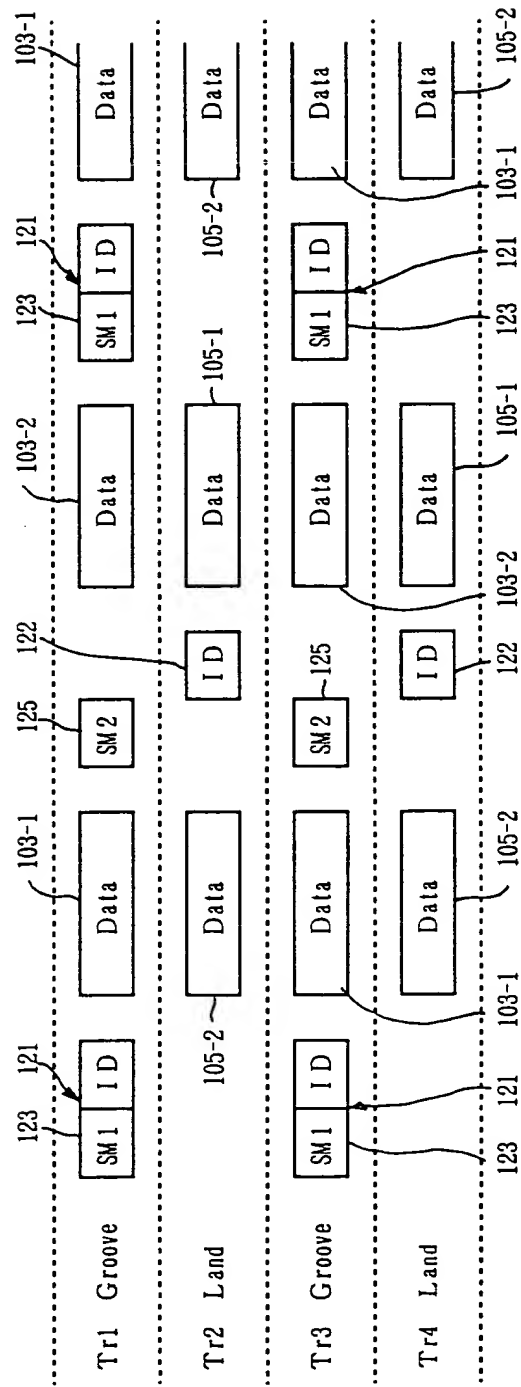


FIG.13

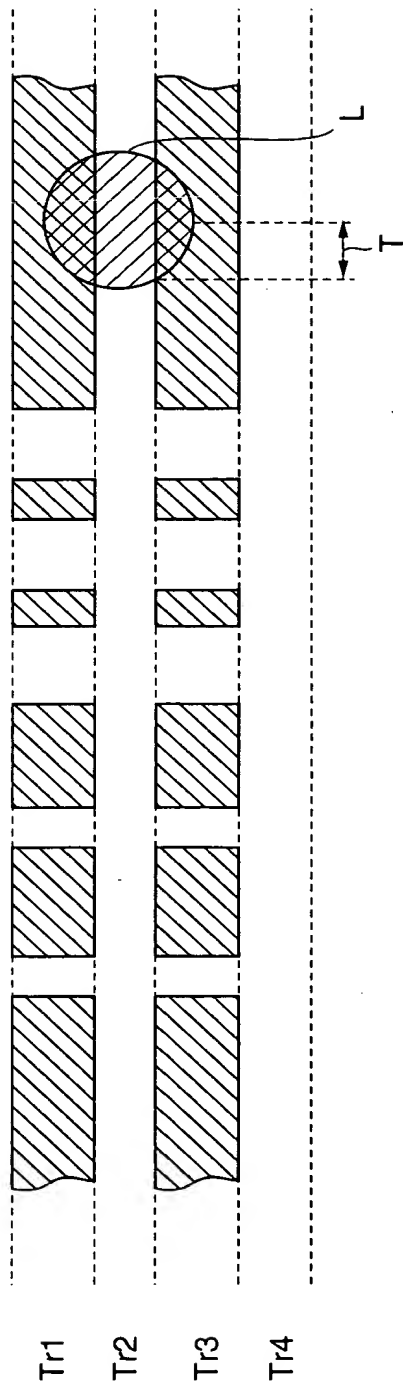


FIG. 14

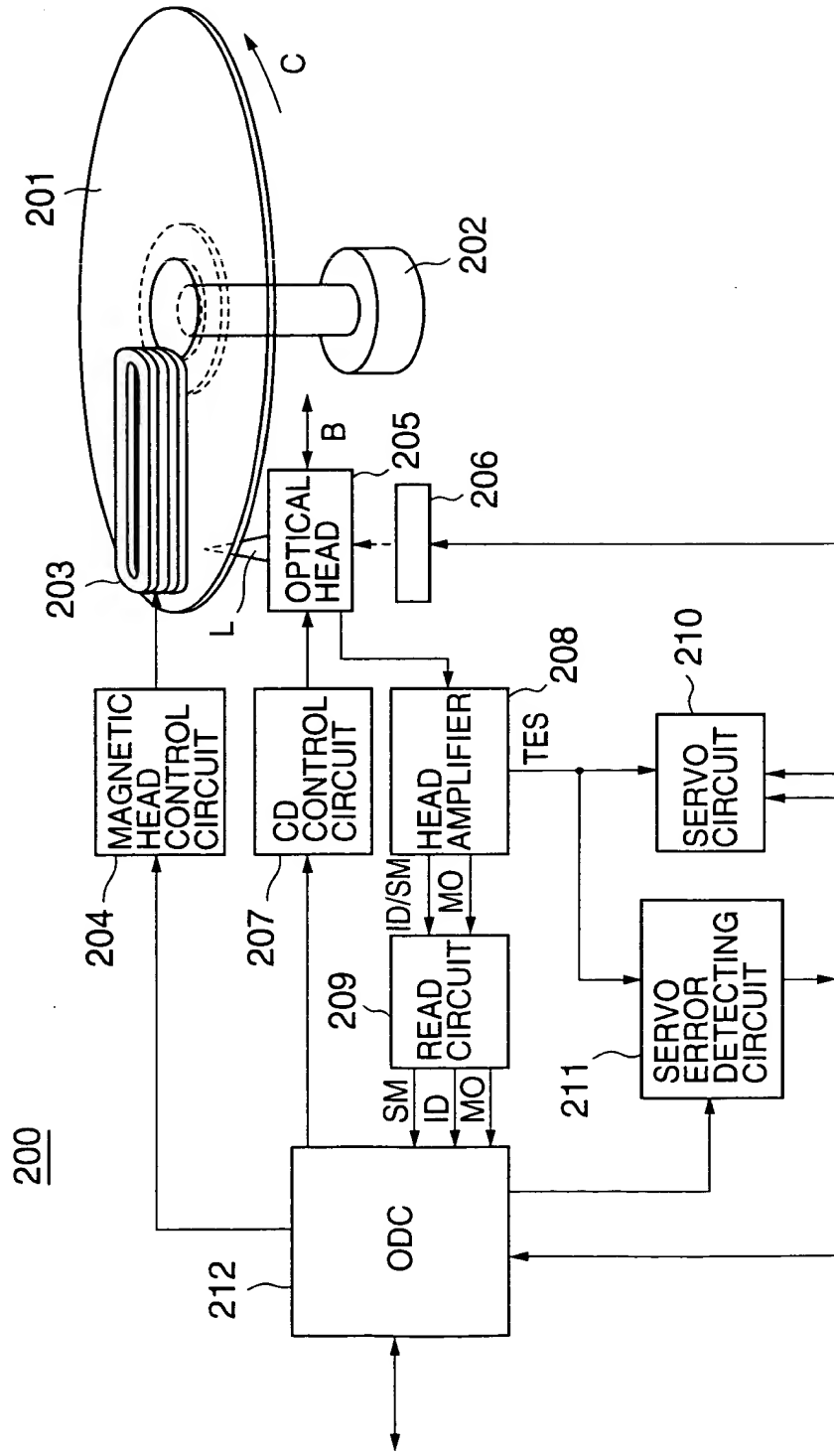


FIG. 15

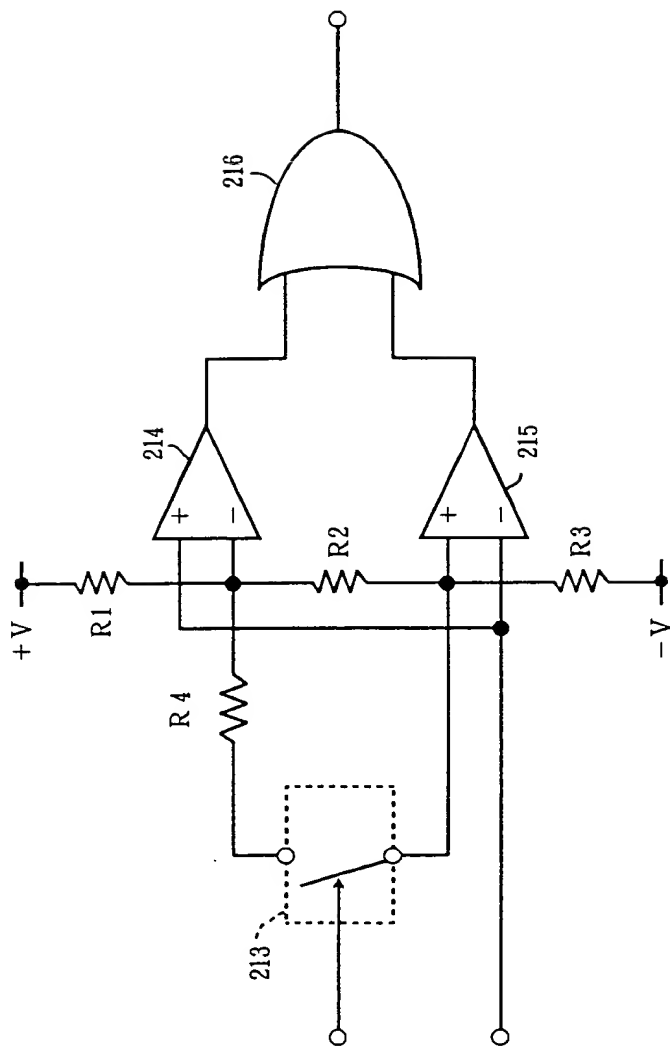


FIG. 16

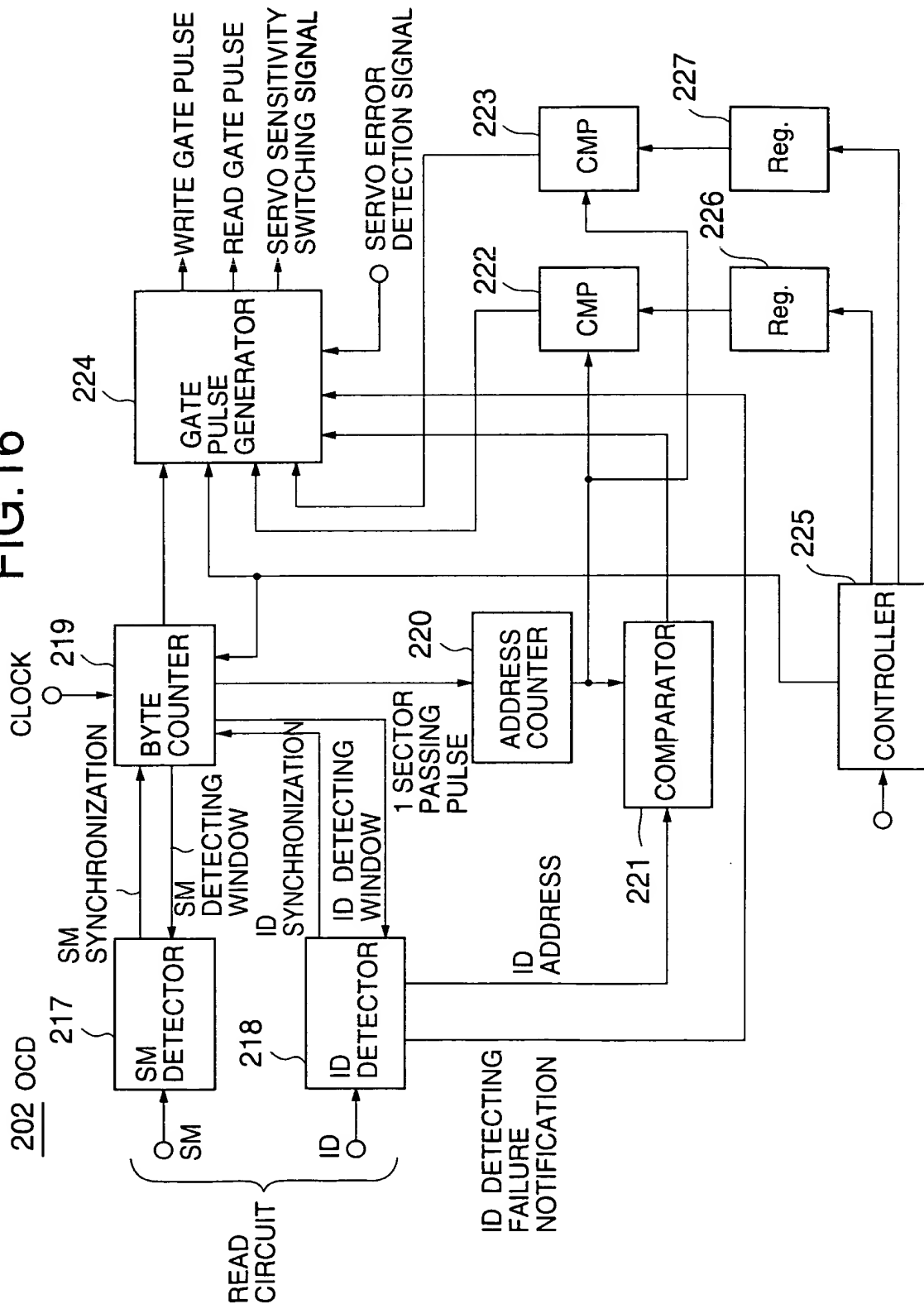


FIG. 17

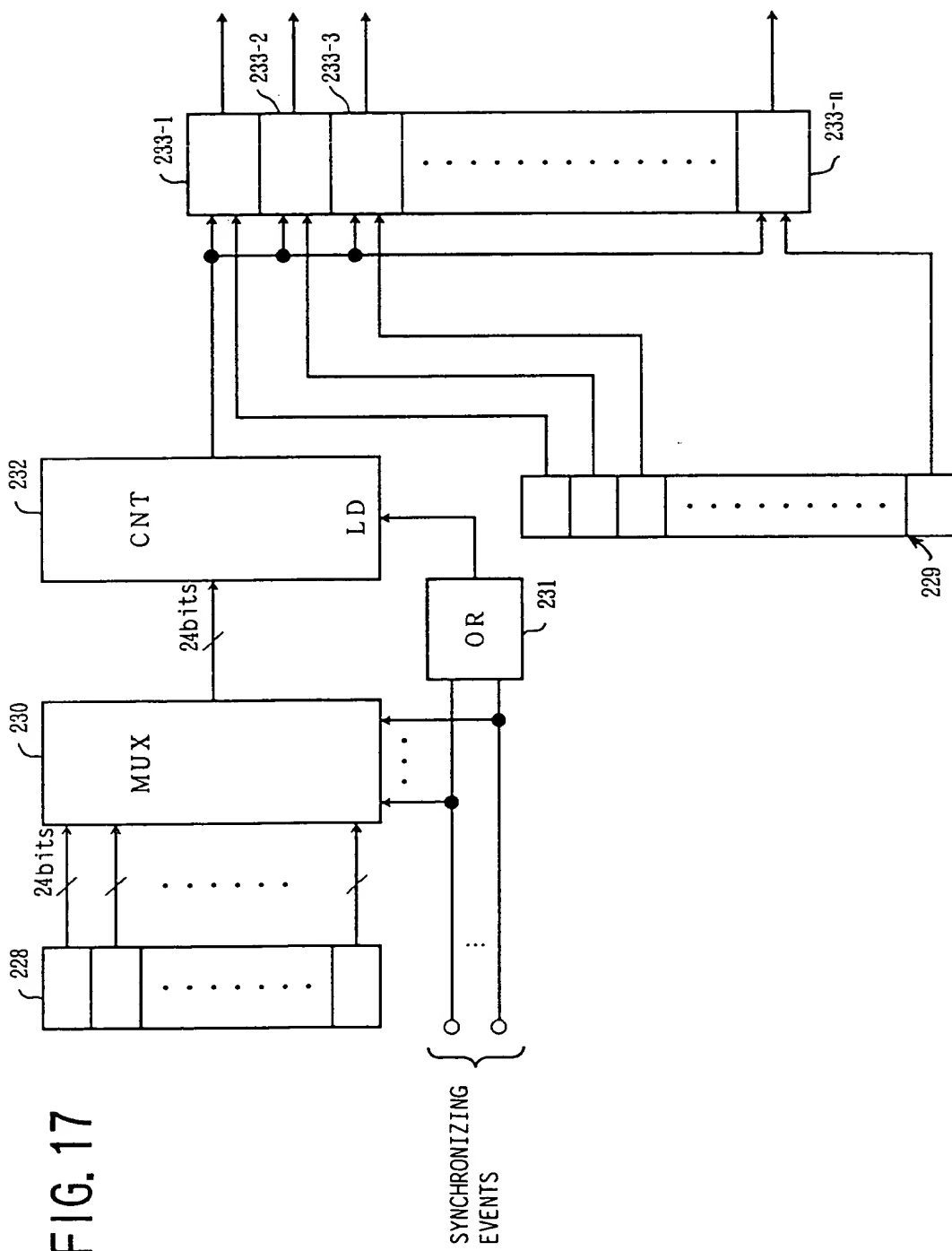
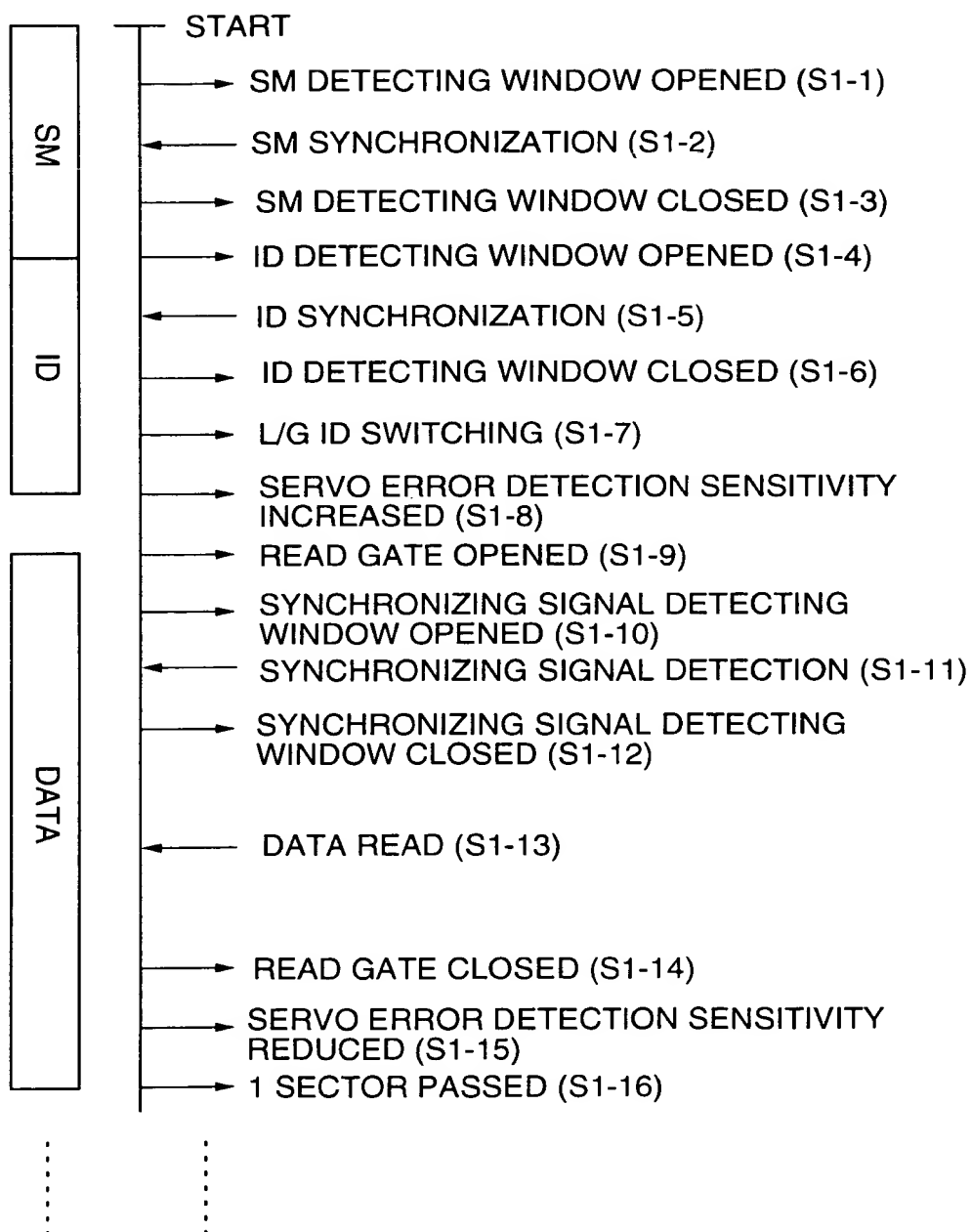


FIG.18



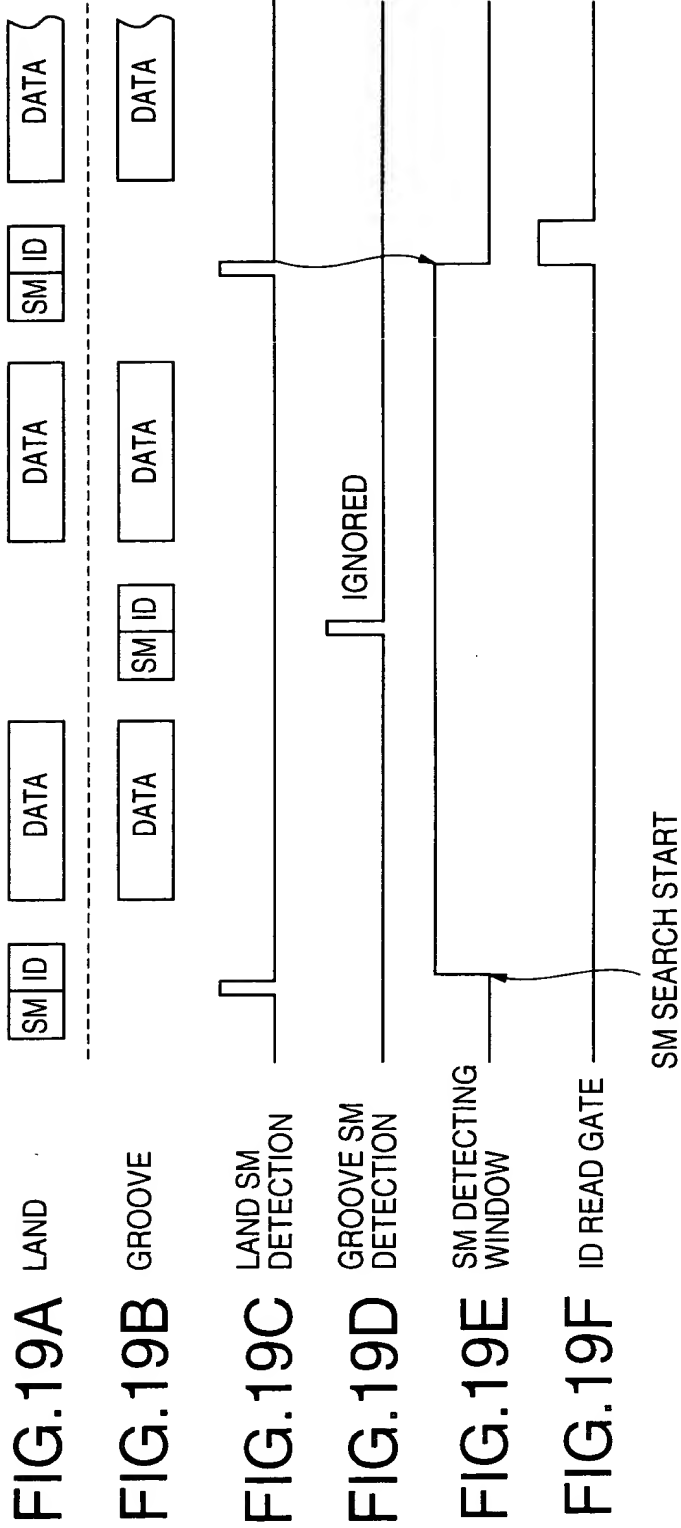


FIG.20

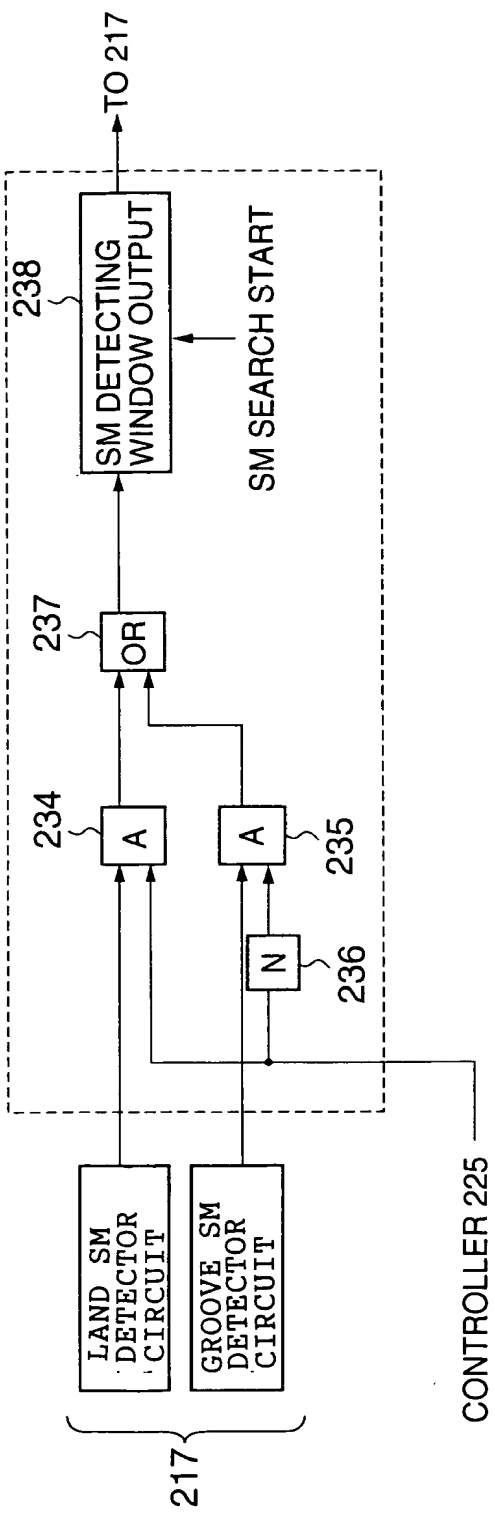




FIG. 21A LAND



FIG. 21B GROOVE



FIG. 21C LAND ID



FIG. 21D LAND SM DETECTION



FIG. 21E GROOVE SM DETECTION



FIG. 21F COMPOUND SM DETECTION

FIG.22

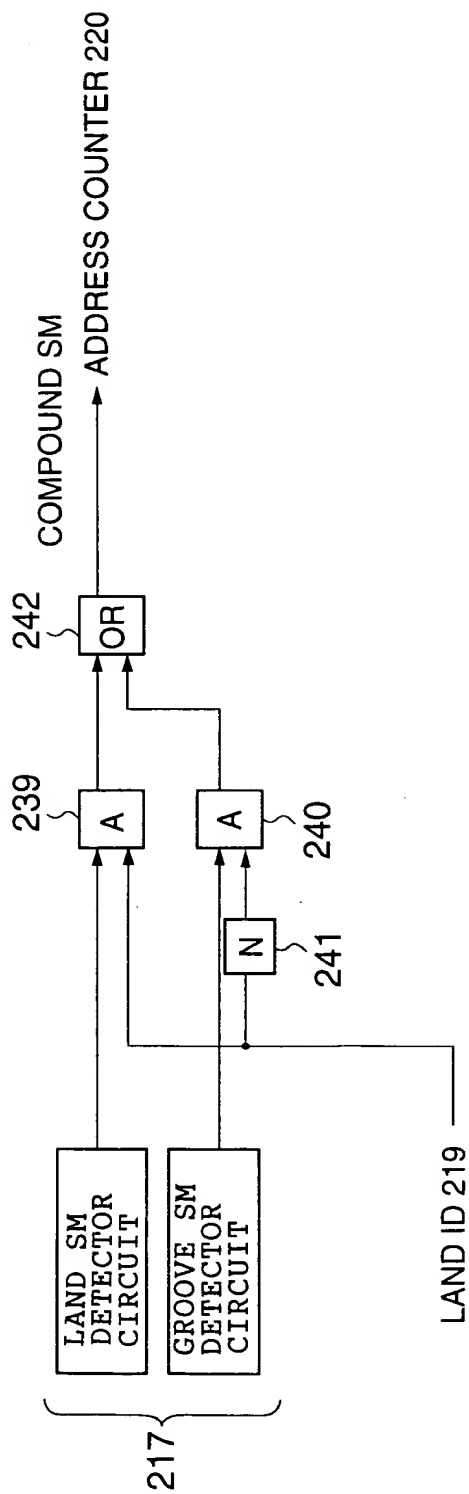
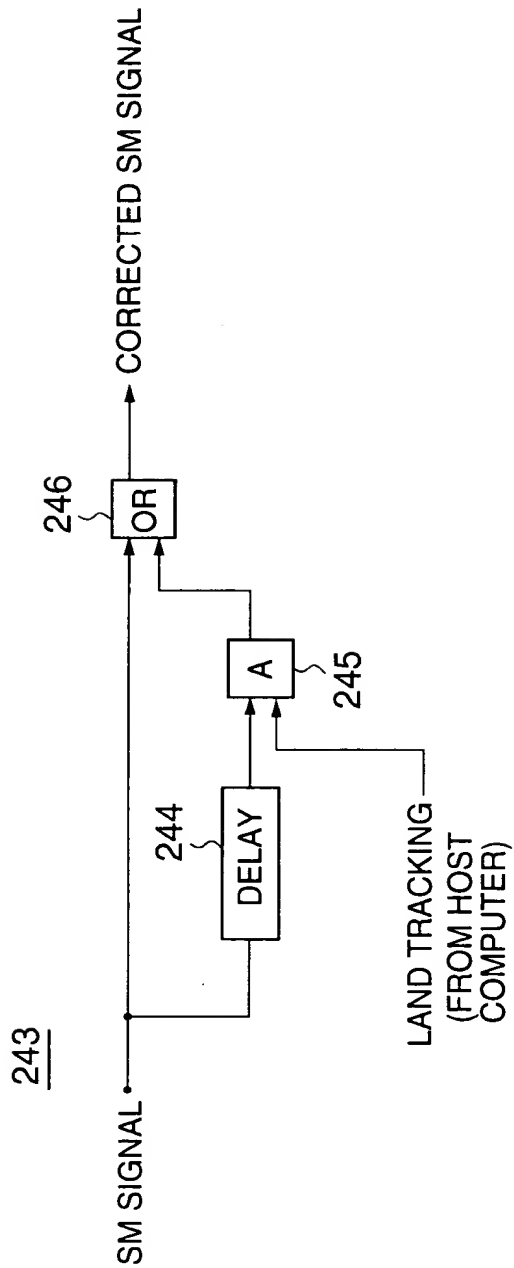


FIG.23



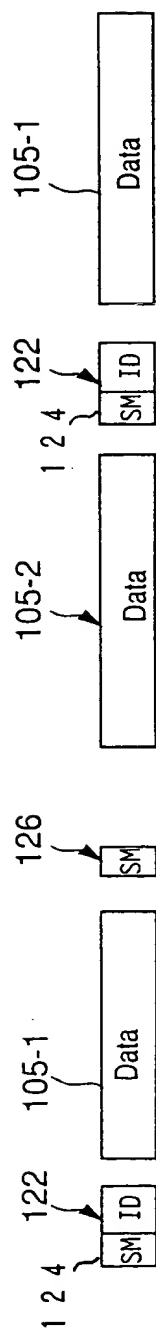


FIG. 25A

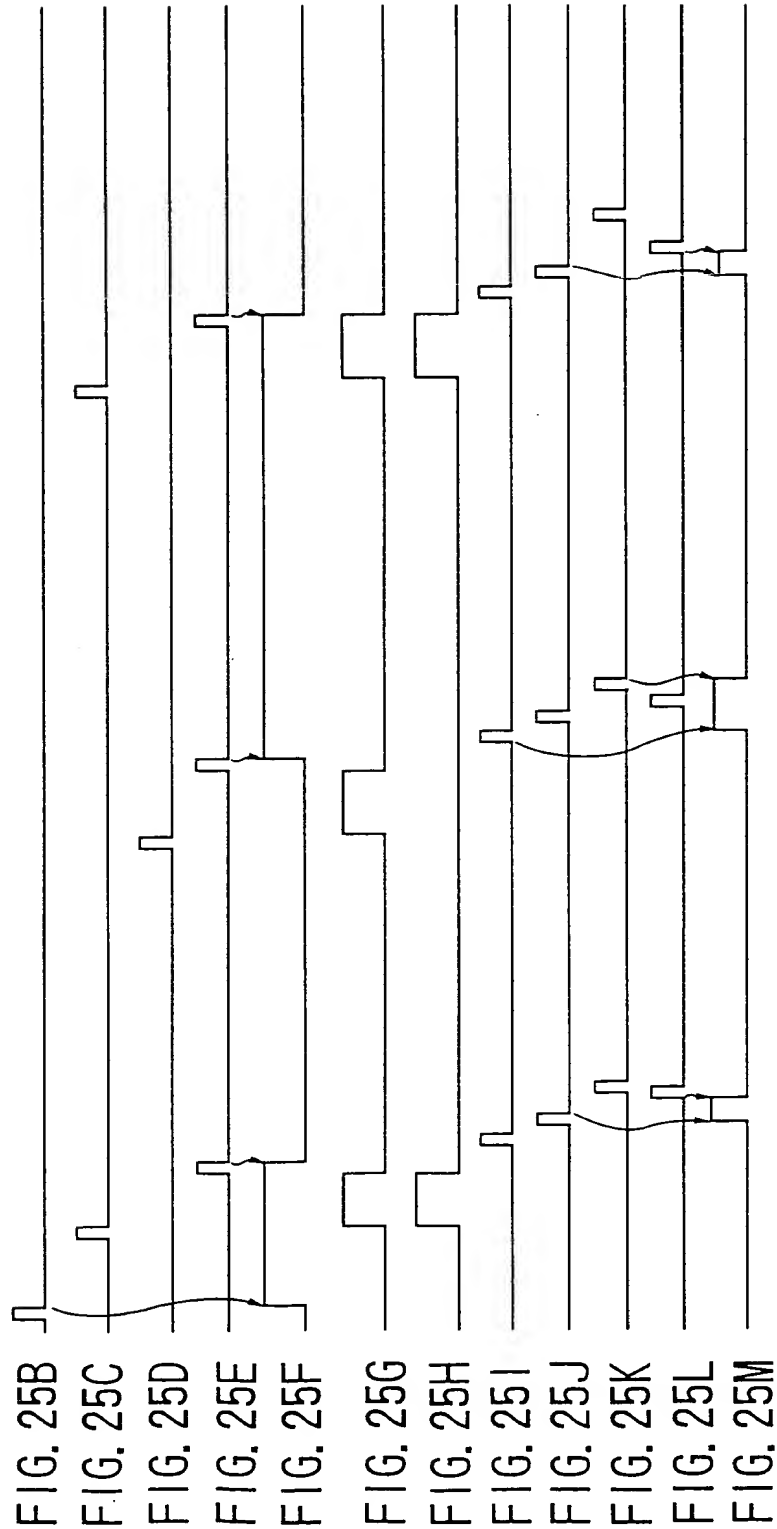
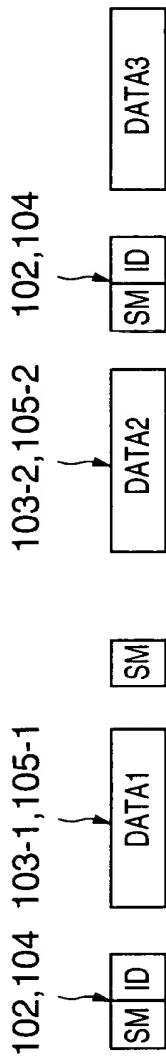


FIG. 26A



DATA1 READ/
WRITE TIMING



FIG. 26B

DATA2 READ/
WRITE TIMING



FIG. 26C

DATA3 READ/
WRITE TIMING



FIG. 26D

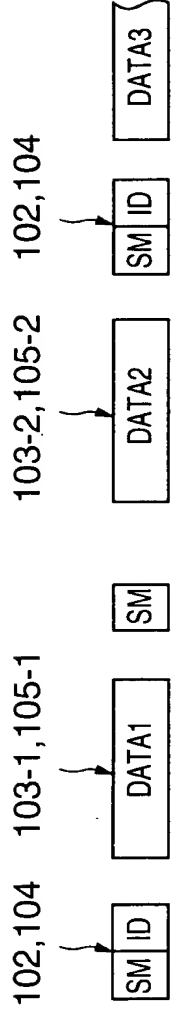


FIG. 27A

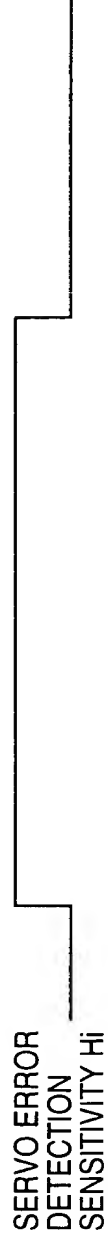


FIG. 27B



FIG. 27C

FIG. 28

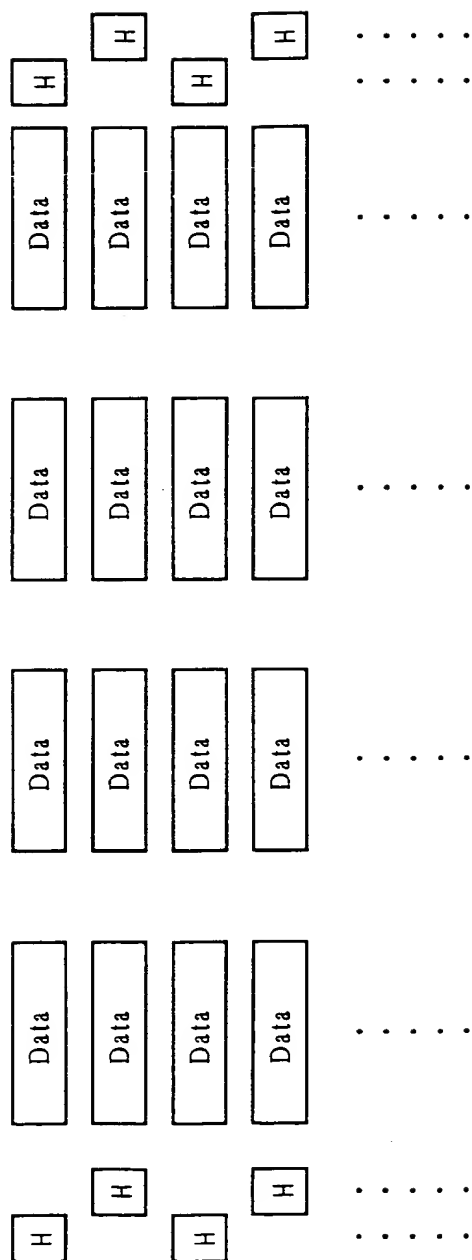


FIG. 29

